

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

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1. (currently amended) A cleaning device comprising:

a. an elongated flexible base member formed in a thermally set helix-like elongated coiled configuration infinitely stretchable and bendable from a first contracted coiled position to a second extended coiled position therein forming

10 an infinitely varying diameter opening therethrough and forming an infinitely varying helical angle and formed from a thermoplastic material having fibers protruding from at least one side of a portion thereof and said base member having a characteristic permitting infinite thermal memory reset from a an initial first configuration to a second configuration [.] ; and

15 b. said base member in said helix-like coiled configuration having a characteristic of memory spring return from said second extended coiled position to said first contracted coiled position.

2. (withdrawn)

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3. (canceled)

4. (currently amended) A cleaning device as described in claim 1 wherein:

a. said base member has having an elongated helix-like coiled

25 configuration having has a constant helical angle.

5. (previously amended) A cleaning device as described in claim 1 wherein:

a. said base member has an elongated flexible helix-like configuration having a helical angle which may be initially selectively varied along its length.

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6. (currently amended) A cleaning device as described in claim 1 wherein:

a. said base member has an elongated helix-like coiled configuration having a selected helical angle which forms a device wherein said individual helix-like with coils which are close fitting one to the other.

5 7. (currently amended) A cleaning device as described in claim 3 wherein:
a. said base member has an elongated helix-like coiled configuration having a selected helical angle which forms a device with coils which are spaced one from the other a selected distance.

10 8. (previously amended) A cleaning device as described in claim 1 wherein:
a. said fibers protrude from said base at varying selected lengths from said base.

9. (canceled)

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10. (previously amended) A cleaning device as described in claim 1 wherein:
a. said base member has an elongated flexible helix-like configuration initially having portions varying with different selected helical angles.

20 11. (canceled)

Claims 12 - 24 (canceled)

25 25. (currently amended) A cleaning device as described in claim 1 comprising:
a. an elongated flexible base member formed in a helix-like configuration forming an opening therethrough and formed from a thermoplastic material having fibers protruding from at least one side of a portion thereof and said base member having a characteristic permitting memory reset from a first configuration to a second configuration; and

a. b a first portion of said elongated flexible base member forming a first end is formed without said helix-like configuration and without said fibers thereby creating a first leader.

5 26. (currently amended) A cleaning device ~~as described in claim 25~~ comprising:

a. an elongated flexible base member formed in a helix-like configuration forming an opening therethrough and formed from a thermoplastic material having fibers protruding from at least one side of a portion thereof and said base member having a characteristic permitting memory reset from a first

10 configuration to a second configuration;

b. a first portion of said elongated flexible base member forming a first end is formed without said helix-like configuration and without said fibers thereby creating a first leader; and

c. [[a.]] a second portion of said elongated flexible base member forming 15 a second end is formed without said helix-like configuration and without said fibers creating a second leader.

27. (currently amended) A cleaning device as described in claim 1 comprising:

a. a non-stretchable, flexible and relatively non-compressible plastic core 20 member inserted through a portion of said opening formed by said elongated flexible base member formed in a thermally set helix-like elongated coil configuration and connected to said flexible base member formed in a thermally set helix-like elongated coil configuration at one or more points along the length of said flexible base plastic core member; and [[.]]

25 b. said thermally set helix-like elongated coiled flexible base member having the freedom to stretch and bend and slide along said plastic core member from all of said plastic core member connection points and between all of said plastic core member connection points.

28. (currently amended) A cleaning device as described in claim 27 comprising:

5 a. an elongated flexible base member formed in a helix-like configuration forming an opening therethrough and formed from a thermoplastic material having fibers protruding from at least one side of a portion thereof and said base member having a characteristic permitting memory reset from a first configuration to a second configuration ;

10 b. a non-stretchable and relatively non-compressible plastic core member inserted through a portion of said opening formed by said elongated flexible base member; and

15 c. a. said flexible base member is connected to said core member at the end portions only of said flexible base member [[,] .

29. (currently amended) A cleaning device as described in claim 1 27 having no metal parts comprising:

15 a. a non-stretchable and relatively non-compressible plastic core member having a first portion forming a handle and a second portion inserted through said opening formed by said elongated flexible base member formed in a thermally set helix-like elongated coil configuration;

20 b. said flexible base member having edges and a base is connected as by bonding substantially continuously at said base to said plastic core member throughout said portion which is formed in a helix-like configuration[.] ; and
25 c. said edges of said elongated flexible base member coils are coiled about said plastic core member in close or touching contact with one another so as to stiffen said plastic core member portion in contact with said coiled base member.

30. (original claim) A cleaning device as described in claim 27 comprising:

 a. a first core extension extending beyond a first end of said flexible base member forming a first handle.

31. (original claim) A cleaning device as described in claim 30 comprising:

a. a second core extension extending beyond a second end of said flexible base member forming a second handle.

5 32. (original claim) A cleaning device as described in claim 27 comprising:

a. said core member is shaped and dimensioned to permit said device to be inserted through elongated enclosures without buckling.

33. (original claim) A cleaning device as described in claim 27 comprising:

10 a. said core member is shaped and dimensioned to permit said device to be pulled through elongated tortuous enclosures.

34. (original claim) A cleaning device as described in claim 32 comprising:

a. said fibers are of sufficient density and length to permit said cleaning 15 device to be forced though a structure to be inserted through a tubular structure by fluid pressure.

35. (Original claim) A cleaning device as described in claim 27 comprising:

a. said fibers protruding from said base member have a relatively short 20 length to enable said device to be inserted through tubular members having a relatively small cross section.

36. (previously amended) A cleaning device as described in claim 27 comprising:

25 a. said fibers protruding from said base member have a relatively long length to enable said device to be inserted through tubular members having a relatively large cross section.

37. (previously amended) A cleaning device as described in claim 27 30 comprising:

a. said fibers protruding from said base member are relatively rigid to enable forceful cleaning of tubular and non tubular work pieces.

38. (previously amended) A cleaning device as described in claim 27
5 comprising:

a. said fibers protruding from said base member are relatively flexible to enable said device to clean irregularly dimensioned tubular and non-tubular members more effectively or to avoid scratching certain surfaces. .

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